

Utah - Water Supply Outlook



United States
Department of
Agriculture

Soil
Conservation
Service

Salt Lake City,
Utah

January 1, 1989



JAMES EDWARD CHURCH

1869 — 1959

THIS PLAQUE COMMEMORATES THE UNIQUE AND INVENTIVE
ENDEAVORS OF DR. JAMES E. CHURCH, JR. WHO IN 1901
FIRST CONCEIVED AND DEMONSTRATED THE RELATION BE-
TWEEN WATER STORED IN THE SNOW AND THE SUBSEQUENT
STREAMFLOW FROM SNOWMELT.

AT THIS SITE DR. CHURCH'S METHODS WERE FIRST APPLIED
TO PREDICT THE SEASONAL WATER LEVELS OF LAKE TAHOE
AND FLOWS OF THE YUBA RIVER. HIS DEMONSTRATED
SUCCESS OF HIS PREDICTIONS BECAME THE BASIS FOR
SETTLEMENT OF THE TAOHO WATER WAR.

TODAY BY UNIVERSAL APPLICATION OF THE SNOW SURVEY
ENGINEERING PROCESS ORIGINALLY DEVELOPED BY
DR. CHURCH, THE PEOPLE, THE LIVES, THE FARMS AND
THE ELECTRIC POWER USERS ARE ABLE TO MORE
ACCURATELY THEIR SEASONAL WATER SUPPLY.

Foreword

How Forecasts Are Made

Most of the annual streamflow in the Western United States originates as snowfall that has accumulated high in the mountains during winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Predictions are based on careful measurements of snow water equivalent at selected index points. Precipitation, temperature, soil moisture and antecedent streamflow data are combined with snowpack data to prepare runoff forecasts. Streamflow forecasts are coordinated by Soil Conservation Service and National Weather Service hydrologists. This report presents a comprehensive picture of water supply outlook conditions for areas dependent upon surface runoff. It includes selected streamflow forecasts, summarized snowpack and precipitation data, reservoir storage data, and narratives describing current conditions.

Snowpack data are obtained by using a combination of manual and automated measurement methods. Manual readings of snow depth and water equivalent are taken at locations called snow courses on a monthly or semi-monthly schedule during the winter. In addition, snow water equivalent, precipitation and temperature are monitored on a daily basis and transmitted via radio telemetry to central data collection facilities. Both monthly and daily data are used to project snowmelt runoff.

An error is associated with each forecast, and this error decreases as the season progresses and more data becomes available. To express the range of error that can be expected, "most probable" forecasts are issued along with a range representing a "reasonable minimum" and a "reasonable maximum". Actual streamflow can be expected to fall within this range in eight out of ten years. Additionally two specific scenarios are provided based on the assumption that subsequent precipitation will be "wet", above average, or "dry", below average.

For More Information

Copies of Monthly Water Supply Outlook Reports and other reports may be obtained from the states listed below. An annual snow survey data summary is published by the Soil Conservation Service for each of the western states. Historical snow survey data may be obtained at those same offices.

STATE	ADDRESS
Alaska	201 East 9th Ave., Suite 300, Anchorage, AK 99501-3687
Arizona	201 East Indianola Ave., Suite 200, Phoenix, AZ 85012
Colorado	2490 West 26th Ave., Building A, 3rd floor, Denver, CO 80211
Idaho	3244 Elder Street, Room 124, Boise, ID 83705
Montana	10 East Babcock, Room 443, Federal Building, Bozeman, MT 59715
Nevada	1201 Terminal Way, Room 219, Reno, NV 89502
New Mexico	517 Gold Ave. S.W., Room 3301, Albuquerque, NM 87102-3157
Oregon	1220 Southwest 3rd Ave., Room 1640, Portland, OR 97204
Utah	4402 Federal Building, 125 South State Street, Salt Lake City, UT 84147
Washington	W. 920 Riverside, Room 360, Spokane, WA 99201-1080
Wyoming	Federal Building, 100 "B" Street, Room 3124, Casper, WY 82601

In addition to state reports, a Water Supply Outlook for the Western United States is published by the Soil Conservation Service and National Weather Service monthly, January through May. Reports may be obtained from the Soil Conservation Service, West National Technical Center, 511 Northwest Broadway, Room 248, Portland, OR 97209-3489.

Water supply reports published by other agencies:

California Department of Water Resources, P.O. Box 388, Sacramento,
Ministry of Environment, Water Investigations Branch, Parliament
a, V8V 1X5; Yukon Territory — Department of Indian and Northern
r, 200 Range Road, Whitehorse, Yukon Territory, Y1A3V1; Alberta,
vision, 9820 106th St., Edmonton, Alberta T5K 2J6.

Utah Water Supply Outlook

and

Federal – State – Private Cooperative Snow Surveys

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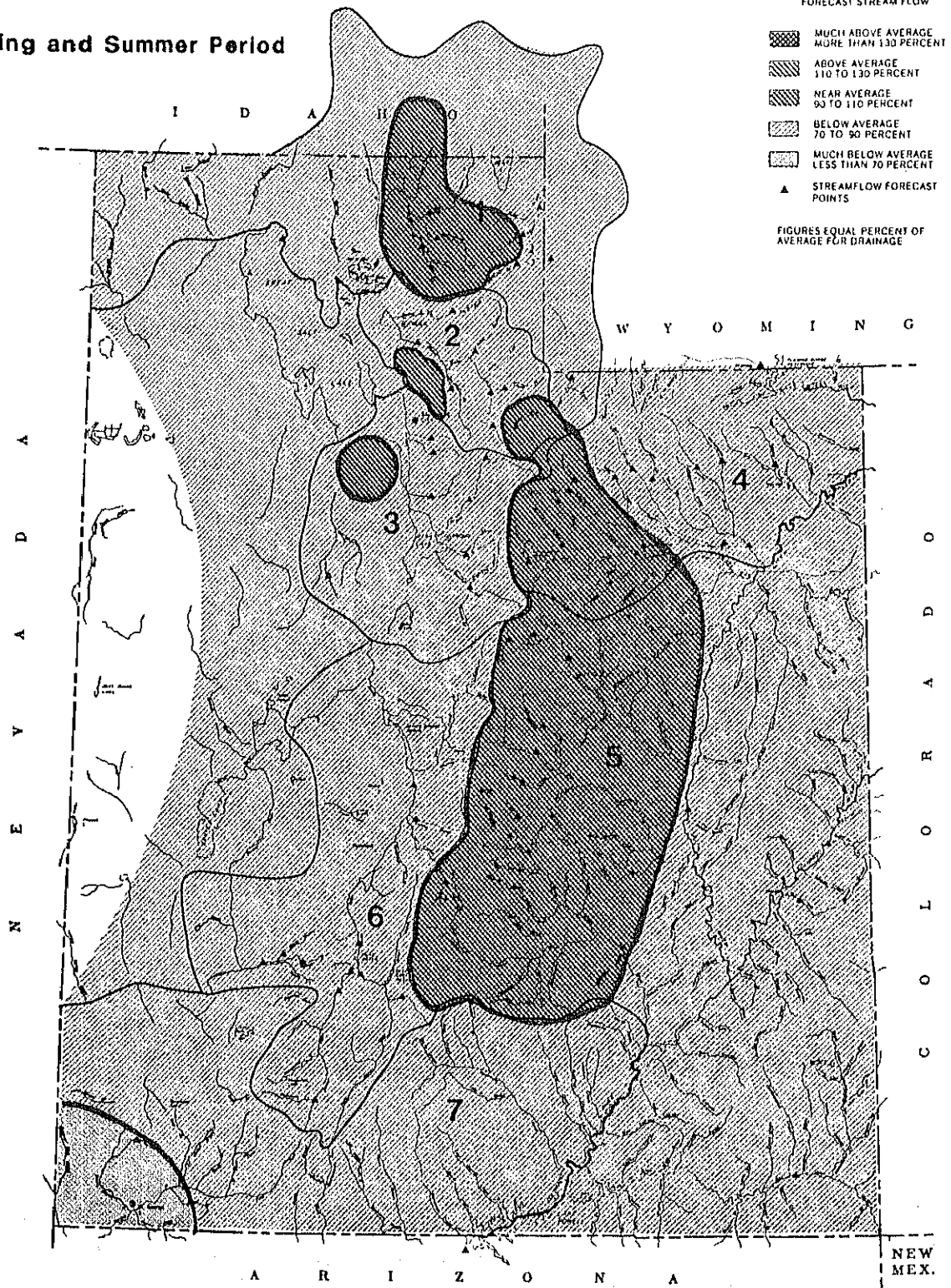
Programs and assistance of the United States Department of Agriculture are available without regard to race, creed, color, sex, age, handicap, marital status or national origin.

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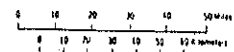
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Streamflow Prospects for Utah

Spring and Summer Period



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GENERAL OUTLOOK

SUMMARY

Prospects for a good water supply in Northern Utah are brightening as snowpacks are near normal after two consecutive years of only one-half that on January 1. Southern and eastern Utah will need to have a change in their weather patterns, however, to bring forecasts up to normal.

SNOWPACK

Storm patterns this year have been more favorable than the previous two years bringing near to above normal snowfalls in northern Utah during this first 40% of the snow accumulation period. The Wasatch front area is the highest with several individual snow courses near 200% of normal. Weber Basin's 116% of normal (over twice last year's) snowpack is highest. Another water stressed area, the Jordan River and Great Salt Lake watershed, is 113% of average. Most of the Uinta, Price, San Rafael, Lower Sevier and Beaver watersheds are near normal. Grantsville, Tooele Valley, Virgin and southeastern Utah drainages have the poorest snowpacks containing about 75% of the usual amounts of water.

PRECIPITATION

The first six weeks of this water year (since Oct. 1st) were nearly devoid of precipitation in the mountains. Even though late November and December precipitation were above normal in Northern Utah, the seasonal percentage compared to average is only 90% of average for the Bear River Basin. The Weber is reporting 90% while other numbers trail off across the state to a low of 64% in the Virgin drainage.

December precipitation at lower elevations in Utah was characterized by below average amounts except for a narrow band along the Wasatch front with above to near 120% of average. The rest of Utah was near normal except for the Virgin River at 120% and an area near Milford at less than 80% of average.

Lower elevation seasonal precipitation (since Oct. 1st) has been below average over all of northern Utah and southern Utah with the Virgin River the exception with near normal amounts.

RESERVOIRS

Residual reservoir storage in northern Utah is of prime significance to this region's ability to recover from the past two years of poor inflows from snowmelt. The Weber system is of main concern with an overall 95% of usual amounts stored but several pools are very low such as Pineview, Causey, and Rockport storing only 27%, 35%, and 33% respectively.

Deer Creek is at 87% of usual for January 1. The Enterprise reservoirs remain quite low, while reservoirs over the rest of the state are above normal for this date.

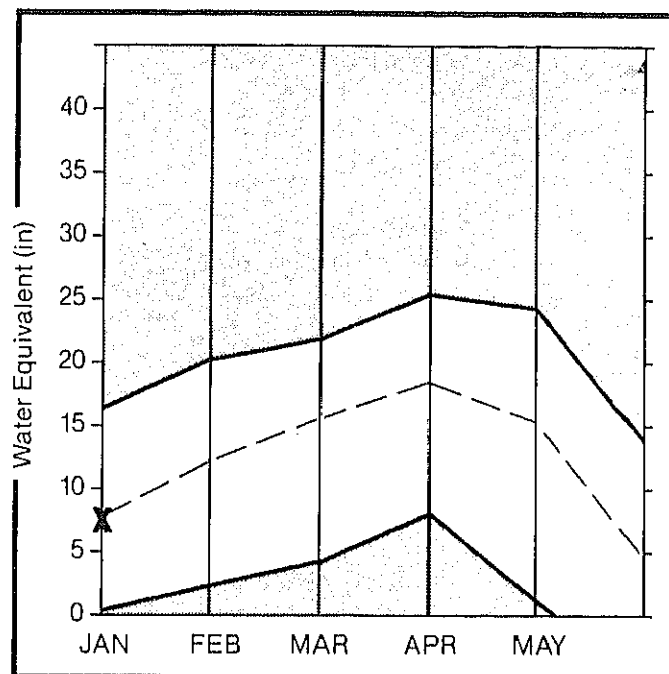
STREAMFLOW

January forecasts present a picture opposite of one year ago with northern Utah watersheds in the 80% to 90% of average with some near to a little over 100%. Southern Utah prospects are less favorable at this time with near 25% below normal streamflows expected. The rest of Utah is near normal.

These early season outlooks are highly dependent upon average snowfalls and spring precipitation. As the season progresses, the forecast values will be adjusted according to current conditions.

Bear River Basin

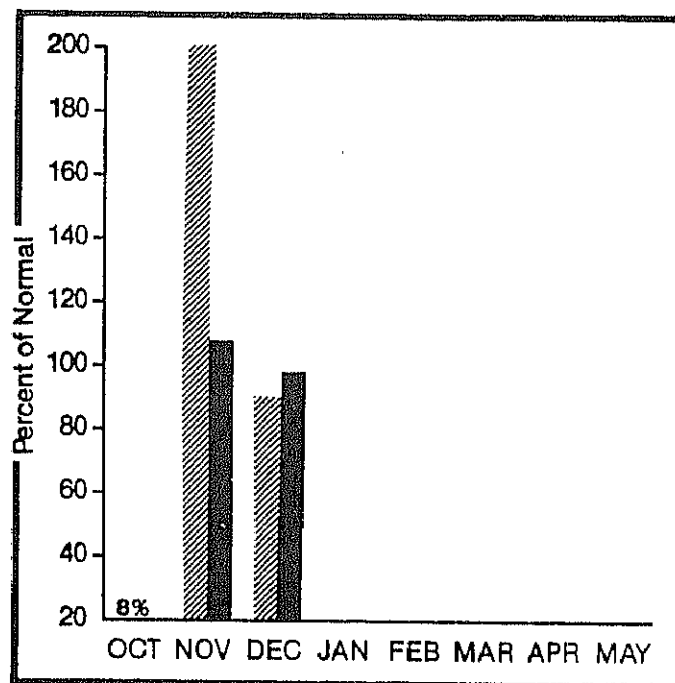
Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
Minimum  Current 

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Snowpacks are just under normal in this basin. This is half again as much as one year ago. Fall precipitation is 98% of normal (highest in the state). Most streamflow predictions are between 69% and 105% of average. Reservoir storage is down by 20% compared to average.

For more information contact your local
Soil Conservation Service Office:
Tremonton Field Office 801-257-5403
Logan Field Office 801-753-5616

BEAR RIVER BASIN

STREAMFLOW FORECASTS

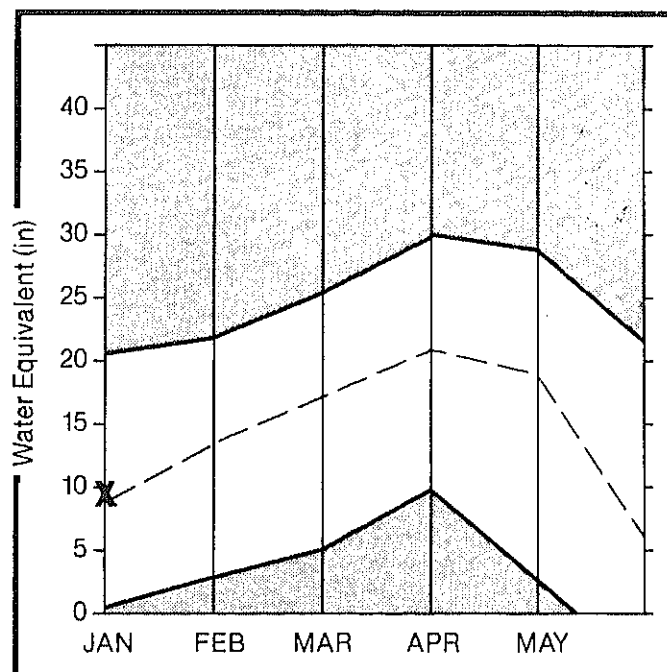
FORECAST POINT	FORECAST PERIOD	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	WET SUBS. (1000AF)	DRY SUBS. (1000AF)	REAS. MAX. (1000AF)	REAS. MIN. (1000AF)	25 YR. AVG. (1000AF)
BEAR RIVER near UT-WY Stateline	APR-JUL	105	91	126	81	140	67	116
BEAR near Woodruff	APR-JUL	117	78	185	71	198	32	150
WOODRUFF CREEK near Woodruff	APR-JUL	15.0	87	16.6	7.4	20	7.9	17.3
BIG CREEK near Randolph	APR-JUL	5.8	109	7.9	3.3	8.8	2.8	5.3
BEAR near Randolph	APR-JUL	95	75	172	101	179	51	126
SMITHS FORK near Border	APR-SEP	85	69	137	87	151	36	123
THOMAS FORK near Stateline	APR-SEP	35	95	48	27	60	20	37
BEAR RIVER near Harer	APR-SEP	220	71	300	127	395	118	310
BEAR RIVER below Stewart Dam	APR-SEP	184	69	355	144	360	77	267
CUB RIVER near Preston	APR-JUL	44	94	52	36	60	28	47
LITTLE BEAR RIVER near Paradise	APR-JUN	43	102	56	22	67	18.6	42
LOGAN RIVER near Logan	APR-JUL	105	88	127	61	142	53	122
BLACKSMITH FORK near Hyrum	APR-JUL	48	94	60	28	74	25	51

RESERVOIR STORAGE		(1000AF)			WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE : CAPACITY:	** USEABLE STORAGE **			WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF	
		THIS YEAR	LAST YEAR	AVG.			LAST YR.	AVERAGE
BEAR LAKE	1421.0	797.5	1001.0	992.6	BEAR RIVER, UPPER IN UTAH	6	145	92
HYRUM	15.3	9.4	10.1	10.0	BEAR RIVER, LOWER IN UTAH	10	182	100
PORCUPINE	11.3	4.5	3.0	2.8	BEAR R. DRAINAGE IN UTAH	15	176	97
WOODRUFF NARROWS	55.8	9.4	23.0	---	BEAR RIVER, UPPER	10	144	88
WOODRUFF CREEK		NO REPORT			BEAR RIVER, LOWER	12	179	97
					BEAR RIVER DRAINAGE	20	165	94
					LOGAN RIVER	5	205	91
					RAFT RIVER	1	241	155
					BEAR RIVER BASIN	23	167	96





WET SUBS. and DRY SUBS. represent 130 and 70 percent subsequent precipitation events respectively.
 REAS. MAX. and REAS. MIN. forecasts are for 10% and 90% exceedance levels with the exception of (1) below.
 (1) - REAS. MAX. and REAS. MIN. forecasts are for 5% and 95% exceedance levels.
 (2) - Corrected for upstream diversions or changes in reservoir storage.

Weber & Ogden Watersheds

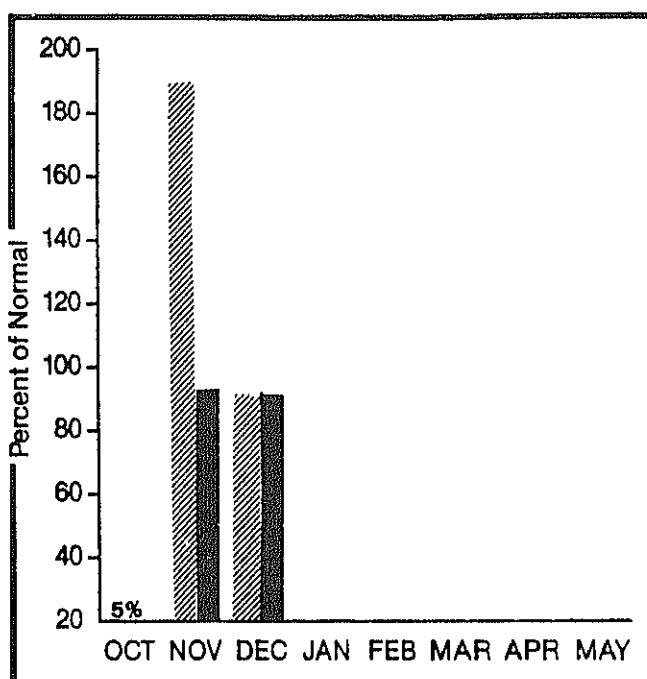
Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
Minimum  Current 

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Snowpacks are off to a strong start (126% of average) on the Ogden River. This is 2 1/2 times last year's dismal season snowpack. Streamflow forecasts, however, are not as high with most flows expected to be near 90%. The Weber River at Gateway is forecast at 76% of average. The two very dry years previous will require 120%-130% of average precipitation to offset the dry watershed soils. The reservoir storage is very poor at three of the seven reservoirs in this watershed (Pineview 27%, Rock Port 33%, and Causey 35% of average).

For more information contact your local
Soil Conservation Service Office:
Layton Sub Office 801-544-9144

WEBER & OGDEN WATERSHEDS in Utah

STREAMFLOW FORECASTS

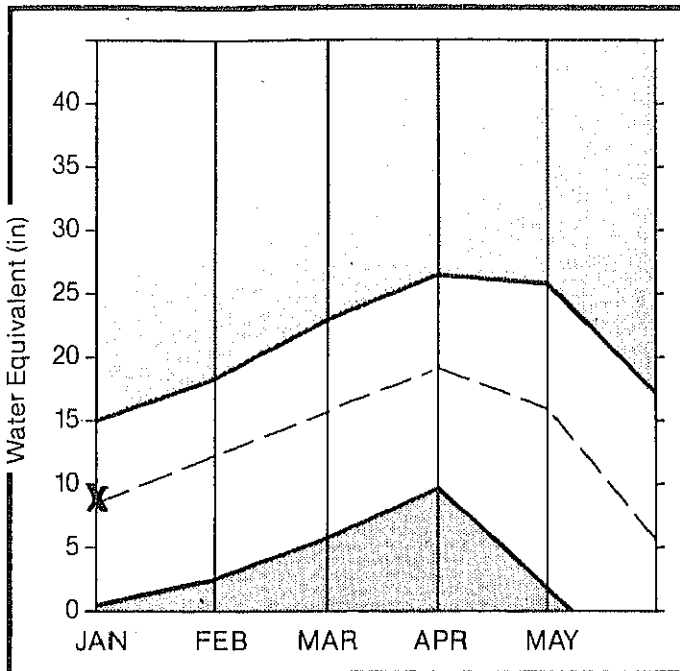
FORECAST POINT	FORECAST PERIOD	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	WET SUBS. (1000AF)	DRY SUBS. (1000AF)	REAS. MAX. (1000AF)	REAS. MIN. (1000AF)	25 YR. AVG. (1000AF)
SMITH AND MOOREHOUSE CREEK near Oakl	APR-JUN	29	96	35	23	39	19.7	30
WEBER RIVER near Oakley	APR-JUN	100	93	120	85	140	65	107
ROCKPORT RESERVOIR inflow	APR-JUN	93	78	131	67	154	38	120
CHALK CREEK near Coalville	APR-JUN	36	88	46	25	57	21	41
WEBER RIVER near Coalville	APR-JUN	99	78	108	47	159	51	127
ECHO RESERVOIR inflow	APR-JUN	135	83	205	73	210	52	163
LOST CREEK near Croyden	APR-JUN	14.0	90	16.3	10.3	24	4.0	15.6
EAST CANYON CREEK near Morgen	APR-JUN	27	93	35	19.7	43	13.1	29
HARDSCRABBLE CREEK near Porterville	APR-JUN	18.0	98	23	13.4	32	7.5	18.4
WEBER RIVER at Gateway	APR-JUN	250	76	395	138	435	99	328
SOUTH FORK OGDEN RIVER near Huntsvil	APR-JUN	50	86	70	38	70	27	58
PINEVIEW RESERVOIR inflow	APR-JUN	95	78	128	74	149	51	122
WHEELER CREEK near Huntsville	APR-JUN	6.0	95	7.5	4.1	8.5	3.1	6.3
FARMINGTON CREEK near Farmington	APR-JUL	8.0	98	9.1	4.7	14.1	3.7	8.2

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS		
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVG.	WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR. AVERAGE
CAUSEY	7.1	2.5	3.6	2.1	OGDEN RIVER	4	242 126
EAST CANYON	48.1	27.5	30.4	33.3	WEBER RIVER	14	213 114
ECHO	73.9	42.0	43.1	41.4	WEBER & OGDEN WATERSHEDS	18	220 117
LOST CREEK	20.0	12.0	16.7	12.7			
PINEVIEW	110.1	30.2	38.9	50.0			
ROCKPORT	60.9	20.1	25.0	34.1			
WILLARD BAY	165.5	103.8	125.3	104.9			

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Utah Lake, Jordan River & Tooele Valley

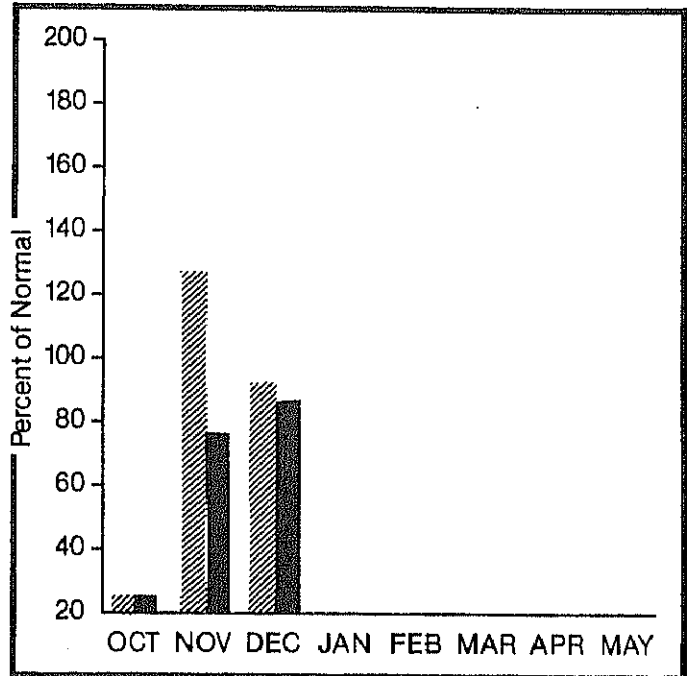
Mountain snowpack* (inches)





*Based on selected stations

Maximum  Average 
Minimum  Current 

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Snowpack in Wasatch front drainages is 103% of average. Six courses in the Timpanogos and "Six Creeks" area are over twice normal for January 1. Trial Lake, however a major indicator for the Provo system, is only 74% of average. Streamflow forecasts are near 80% average. Deer Creek Reservoir storage remains below average on January 1.

For more information contact your local
Soil Conservation Service Office:
Midvale Field Office 801-524-4373
Provo Field Office 801-377-5580

UTAH LAKE, JORDAN RIVER & TOOELE VALLEY

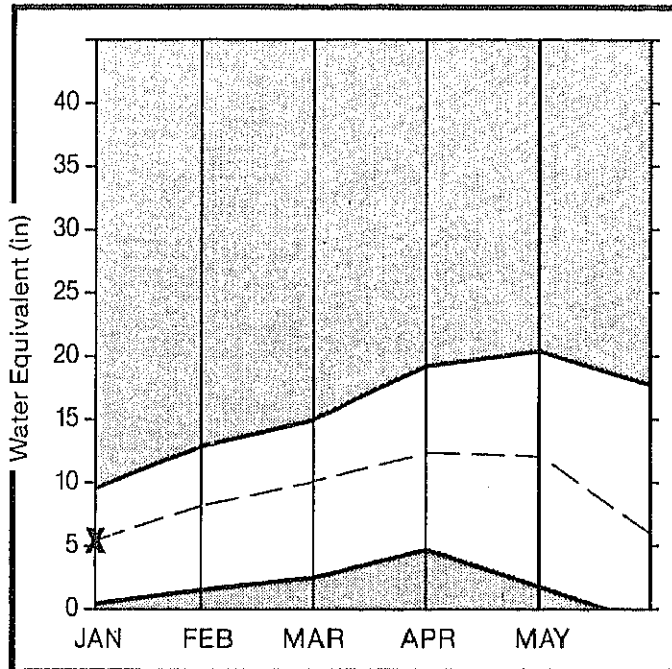
STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	WET SUBS. (1000AF)	DRY SUBS. (1000AF)	REAS. MAX. (1000AF)	REAS. MIN. (1000AF)	25 YR. AVG. (1000AF)
SALT CREEK near Nephi	APR-JUL	12.0	89	10.5	5.9	18.2	6.2	13.5
PAYSON CREEK near Payson	APR-JUL	6.5	89					7.3
HOBBLE CREEK near Springville	APR-JUL	20	86					23
PROVO near Hailstone	APR-JUL	100	88			146	57	113
PROVO below Deer Creek Dam	APR-JUL	105	79			160	42	133
AMERICAN FORK near American Fk.	APR-JUL	25	74			34	17.5	34
UTAH LAKE inflow	APR-JUL	200	68			350	53	295
LITTLE COTTONWOOD CRK near SLC	APR-JUL	37	90			45	26	41
BIG COTTONWOOD CRK near SLC	APR-JUL	35	90			41	26	39
PARLEY'S CREEK near SLC	APR-JUL	14.0	82			21	8.2	17.0
MILL CREEK near SLC	APR-JUL	6.0	87			8.3	2.3	6.9
EMIGRATION CREEK near SLC	APR-JUL	3.3	72					4.6
CITY CREEK near SLC	APR-JUL	6.5	72			8.7	3.6	9.0
VERNON CREEK near Vernon	APR-JUN	1.1	92	1.2	0.9	1.9	0.7	1.2
SETTLEMENT CREEK near Tooele	APR-JUL	2.2	96	2.5	1.3	3.7	0.7	2.3
SOUTH WILLOW CREEK near Grantsville	APR-JUL	2.4	80	3.0	2.0	3.8	1.1	3.0

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS		
RESERVOIR	USEABLE : CAPACITY:	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVG.	WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR. AVERAGE
DEER CREEK	149.6	81.7	98.3	93.5	PROVO RIVER & UTAH LAKE	10	168 94
GRANTSVILLE	3.3	1.3	1.3	---	PROVO RIVER	5	162 83
SETTLEMENT CREEK	1.0	0.4	0.5	0.6	JORDAN RIVER & GREAT SALT	6	223 113
STRAWBERRY-ENLARGED	951.4	403.2	403.2	---	TOOELE & VERNON W.S.'S	0	0 0
UTAH LAKE	855.5	650.0	711.0	681.6	UTAH L.-JORDAN R.-TOOELE	16	191 103
VERNON CREEK	0.6	0.8	0.6	0.4			

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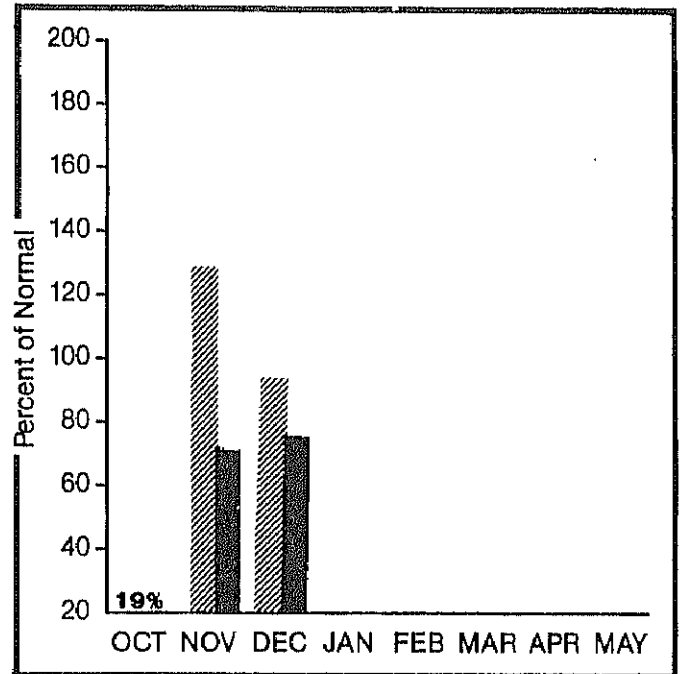
Mountain snowpack* (inches)



*Based on selected stations

Maximum Average Minimum Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation Year to date precipitation

North and east slopes of the Uinta Range sport above average snowpacks with the rest near normal. Streamflows, with average conditions expected, will range from 81% to 104% of average. Reservoir storage is good.

For more information contact your local
Soil Conservation Service Office:
Roosevelt Field Office 801-722-4621

UINTAH BASIN & DAGGET SCD'S

STREAMFLOW FORECASTS

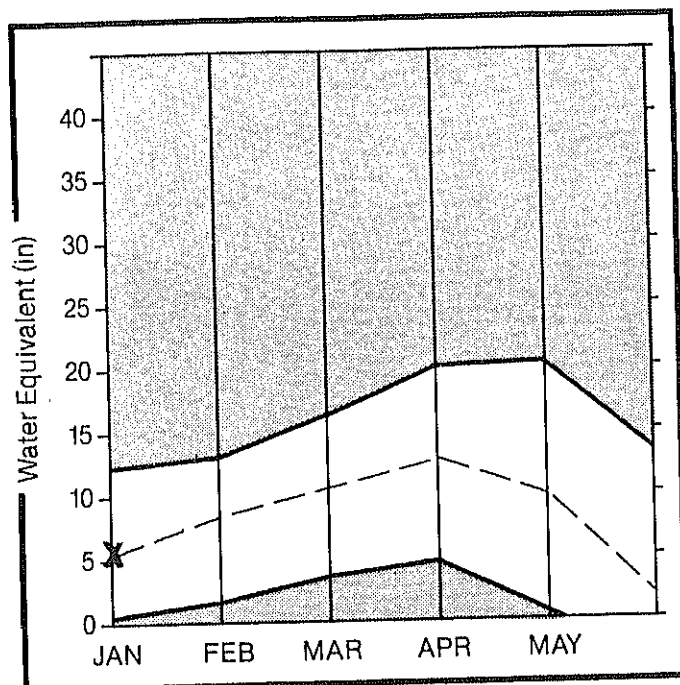
FORECAST POINT	FORECAST PERIOD	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	WET SUBS. (1000AF)	DRY SUBS. (1000AF)	REAS. MAX. (1000AF)	REAS. MIN. (1000AF)	25 YR. AVG. (1000AF)
BLACK'S FORK nr Millburne	APR-JUL	86	90	103	69	125	52	96
HENRY'S FORK nr Manila 2	APR-JUL	40	89	53	38	61	24	45
GREEN RIVER nr Greendale 2	APR-JUL	1020	81			1460	625	1267
BIG BRUSH CREEK ab Red Fleet Res	APR-JUL	17.0	86	20	14.4	24	11.7	19.8
ASHLEY CREEK nr Vernal 2	APR-JUL	46	88	55	37	64	32	52
WEST FORK DUCHESNE RIVER nr Hanna	APR-JUL	27	104	33	21	34	17.9	26
DUCHESNE RIVER nr Tabiona	APR-JUL	99	90	118	80	128	65	110
ROCK CREEK nr Mountain Home	APR-JUL	86	91	96	77	118	60	95
DUCHESNE RIVER abv Knight Diversion	APR-JUL	168	87	184	152	230	110	194
STRAWBERRY RIVER nr Soldier Springs	APR-JUL	60	100	74	46	77	38	60
CURRENT CREEK nr Fruitland 2	APR-JUL	23	100	28	19.1	30	16.1	23
STRAWBERRY RIVER nr Duchesne 2	APR-JUL	120	99	153	87	158	84	121
LAKEFORK RIVER blw Moon Lake 2	APR-JUL	64	90	79	51	88	44	71
YELLOWSTONE RIVER nr Altonah	APR-JUL	55	83	66	44	83	27	66
DUCHESNE RIVER at Myton 2	APR-JUL	250	91	340	170	360	93	275
UINTA RIVER nr Neola	APR-JUL	76	86	94	58	113	39	88
WHITEROCKS RIVER nr Whiterocks	APR-JUL	54	90	64	44	79	29	60
DUCHESNE RIVER nr Randlett	APR-JUL	295	87	415	186	545	43	340

RESERVOIR STORAGE		(1000AF)			WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE : CAPACITY: THIS YEAR	USEABLE STORAGE : THIS YEAR	USEABLE STORAGE : LAST YEAR	USEABLE STORAGE : AVG.	WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR. AVERAGE	
FLAMING GORGE	3749.0	2959.0	3216.2	---	UPPER GREEN RIVER in UTAH	9	124	110
MOON LAKE	35.8	6.5	19.8	13.8	ASHLEY CREEK	2	184	108
RED FLEET	26.0	18.8	20.0	---	BLACK'S FORK RIVER	3	133	105
STEINAVCO	33.3	14.7	24.7	18.2	SHEEP CREEK	2	108	118
				5.2	DUCHESNE RIVER	11	141	93
				---	LAKE FORK-YELLOWSTONE CK.	3	104	84
					STRAWBERRY RIVER	4	164	95
					UINTAH-WHITEROCKS RIVERS	3	142	98
					UINTAH BASIN & DAGGET SCD	20	133	100

ipitation events respectively.
 evels with the exception of (1) below.
 nce levels.
 age,

Carbon, Emery, Wayne, Grand, and San Juan Co.

Mountain snowpack* (inches)



*Based on selected stations

Maximum



Average



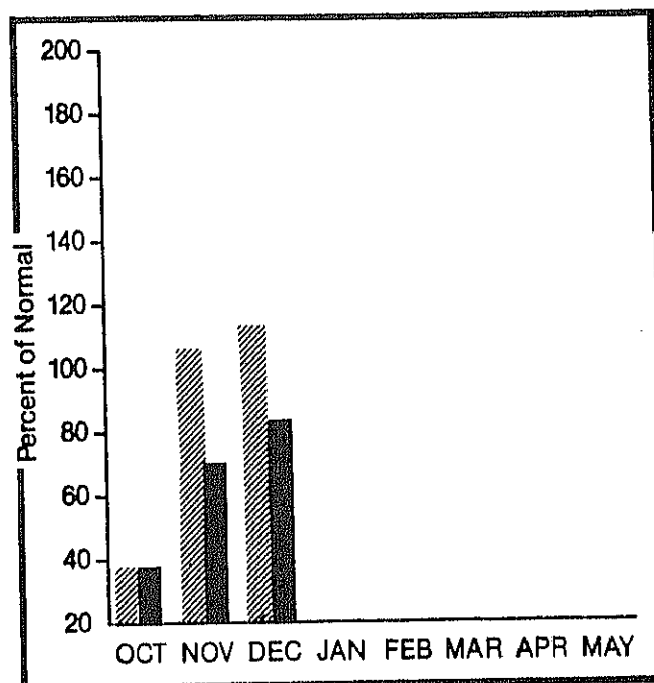
Minimum



Current



Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation



Year to date precipitation



WATER SUPPLY OUTLOOK:

Most snowpacks are near normal with about 25% below normal in the Blue Mountain area. Spring and early summer flow in the rivers of this region are forecast at 67% to 109% of average. Reservoir storage is good at this early point in the 1989 water year.

For more information contact your local
Soil Conservation Service Office:
Price Field Office 801-637-0041

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	WET SUBS. (1000AF)	DRY SUBS. (1000AF)	REAS. MAX. (1000AF)	REAS. MIN. (1000AF)	25 YR. AVG. (1000AF)
GOOSEBERRY CREEK nr Scofield	APR-JUL	10.3	86			15.9	4.7	12.0
SCOFIELD RESERVOIR inflow	APR-JUL	43	93			62	27	46
PRICE RIVER nr Heiner 2	APR-JUL	52	67			86	25	78
GREEN RIVER at Green River, UT 2	APR-JUL	2900	91			4050	1690	3182
HUNTINGTON CREEK inf to Electric Lak	APR-JUL	15.0	99	18.2	11.8	22	9.7	15.1
HUNTINGTON CREEK nr Huntington 2	APR-JUL	51	93			76	32	55
COTTONWOOD CREEK nr Orangeville 2	APR-JUL	51	109	66	37	69	33	47
FERRON CREEK nr Ferron	APR-JUL	44	107	57	32	62	26	41
COLORADO nr Cisco, UT 2	APR-JUL	2950	86			4950	1370	3443
MILL CREEK nr Moab	APR-JUL	4.9	89	5.6	4.2	8.2	1.6	5.5
SEVEN MILE CREEK nr Fish Lake	APR-JUL	6.6	102	7.4	5.8	10.5	2.7	6.5
MUDDY CREEK nr Emery	APR-JUL	22	105	29	16.1	35	9.4	21
SAN JUAN RIVER nr Archuleta 2	APR-JUL	690	90	805	590	1120	345	764
SAN JUAN nr Bluff, UT 2	APR-JUL	1080	99			1820	515	1091

RESERVOIR STORAGE (1000AF)

WATERSHED SNOWPACK ANALYSIS

RESERVOIR	USEABLE : CAPACITY :	** USEABLE STORAGE **			WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR. AVERAGE	
	YEAR	THIS YEAR	LAST YEAR	AVG.				
HUNTINGTON NORTH	3.9	2.2	3.6	2.0	PRICE RIVER	3	171	99
JOE'S VALLEY	61.6	39.8	44.2	42.7	SAN RAFAEL RIVER	7	146	107
KEN'S LAKE	2.3	0.0	0.0	---	MUDDY RIVER	2	141	107
MILL SITE	16.7	9.2	6.8	3.0	FREMONT RIVER	4	147	92
SCOFIELD	65.6	28.7	37.6	30.3	LASAL MOUNTAINS	2	65	77
					BLUE MOUNTAINS	2	85	75
					WILLOW CREEK - WHITE RIVE	2	174	54
					SOUTHEASTERN UTAH	21	123	95

WET SUBS. and DRY SUBS. represent 130 and 70 percent subsequent precipitation events respectively.

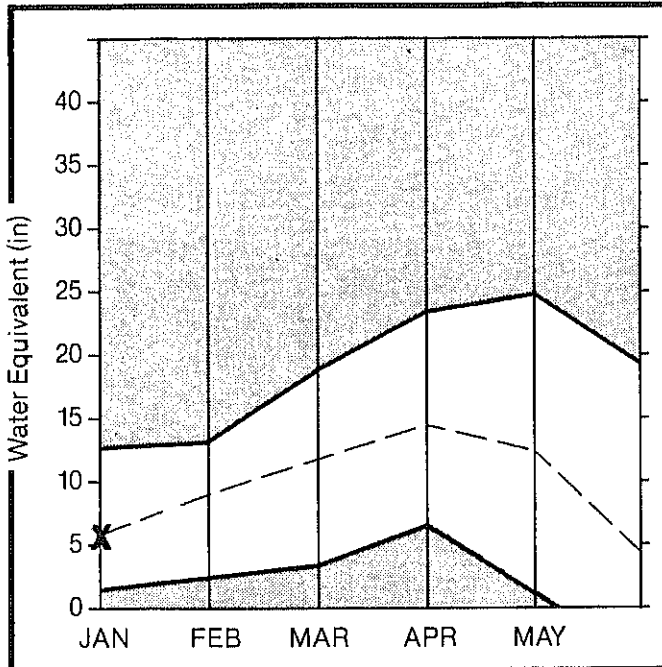
REAS. MAX. and REAS. MIN. forecasts are for 10% and 90% exceedance levels with the exception of (1) below.

(1) - REAS. MAX. and REAS. MIN. forecasts are for 5% and 95% exceedance levels.


(2) - Corrected for upstream diversions or changes in reservoir storage.

Sevier & Beaver River Basins

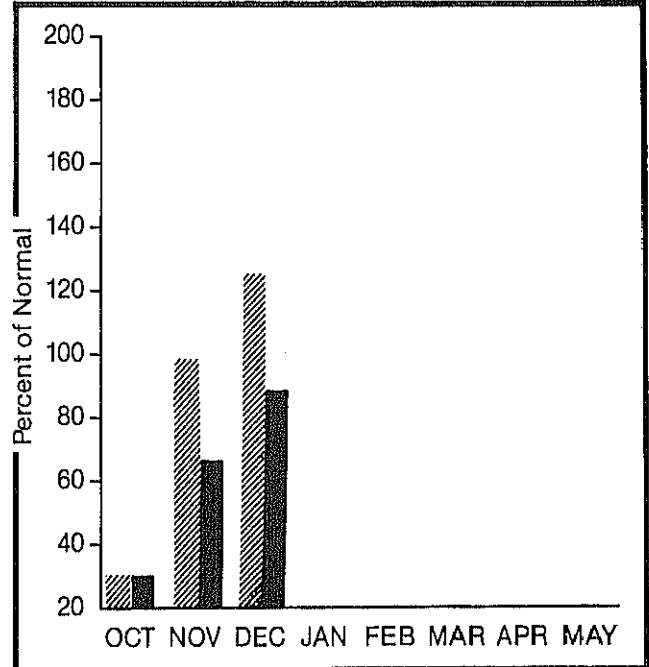
Mountain snowpack* (inches)





*Based on selected stations

Maximum  Average 
Minimum  Current 

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Snowpacks are best on the Beaver drainage (104% of average). Lowest amounts are in the Upper Sevier (85%-87% of average). Streamflows are expected to be 72% to 102% of average. Above average snow and spring precipitation could boost these expectations to near normal. Reservoir storage is currently above average for January 1.

For more information contact your local
Soil Conservation Service Office:
Richfield Field Office 801-896-6261
Fillmore Field Office 801-743-6655

SEVIER & BEAVER RIVER BASINS

STREAMFLOW FORECASTS

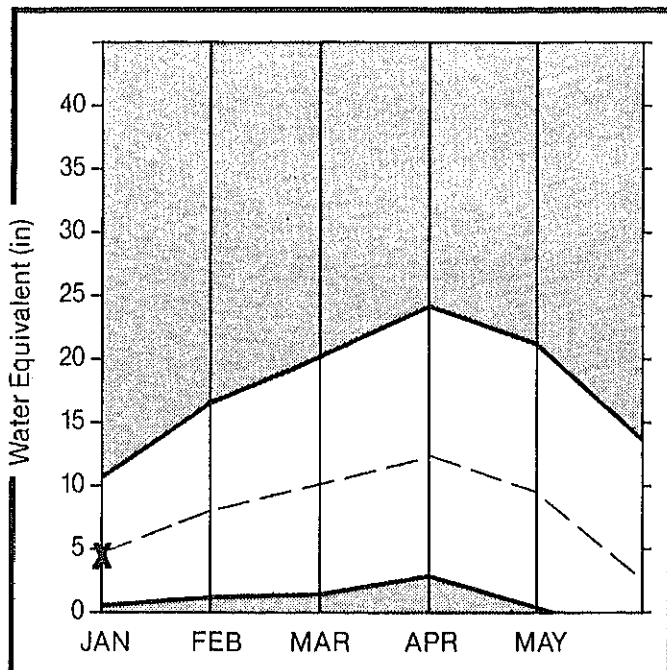
FORECAST POINT	FORECAST PERIOD	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	WET SUBS. (1000AF)	DRY SUBS. (1000AF)	REAS. MAX. (1000AF)	REAS. MIN. (1000AF)	25 YR. AVG. (1000AF)
SEVIER at Hatch	APR-JUL	40	77			70	17.6	52
SEVIER near Circleville	APR-JUL	35	60					44
SEVIER near Kingston	APR-JUL	25	74			48	12.1	34
ANTIMONY CREEK near Antimony	APR-JUL	7.0	79					8.9
E F SEVIER near Kingston	APR-JUL	18.0	75			43	6.7	24
SEVIER b/w Piute Dam	APR-JUL	45	80			106	13.6	56
CLEAR CREEK near Sevier	APR-JUL	18.0	82					22
SIGURD to GUNNISON	APR-JUL	35	80			83	10.8	44
KINGSTON to VERMILLION DAM	APR-JUN	32	80					40
VERMILLION DAM to GUNNISON	MAR-JUN	43	80					54
SALINA CREEK at Salina	APR-JUN	14.0	77					18.2
PLEASANT CREEK near Pleasant	APR-JUL	9.6	83					11.5
EPHRAIM CREEK near Ephraim	APR-JUL	18.0	72					25
SEVIER nr Gunnison	APR-JUL	80	81					99
CHICKEN CREEK near Levan	APR-JUL	9.2	91	5.3	3.4	4.5	1.9	3.5
OAK CREEK near Oak City	APR-JUL	1.3	81	2.1	1.6	2.1	0.7	1.6
CHALK CREEK near Fillmore	APR-JUL	18.0	91	19.8	10.2	25	5.2	16.4
BEAVER RIVER near Beaver	APR-JUL	25	83	33	18.0	45	9.9	27
NORTH CREEK near Beaver (combined)	APR-JUL	14.0	96	15.8	9.6	28	6.0	14.6
MINERSVILLE RESERVOIR inflow	APR-JUN	14.6	102	21	8.7	25	3.9	14.3

RESERVOIR STORAGE (1000AF)		WATERSHED SNOWPACK ANALYSIS						
RESERVOIR	USEABLE CAPACITY: THIS YEAR	** USEABLE STORAGE ** THIS YEAR LAST YEAR AVG.			WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR. AVERAGE	
GUNNISON	20.3	6.1	9.2	9.5	U SEVIER (s of Richfield)	11	105	87
MINERSVILLE (RkyFd)	26.0	15.1	13.8	9.3	EAST FORK SEVIER RIVER	4	112	92
OTTER CREEK	52.7	44.6	44.6	23.8	SOUTH FORK SEVIER RIVER	7	102	85
PIUTE	71.8	48.2	47.1	29.9	LOWER SEVIER RIVER	12	123	109
SEVIER BRIDGE	236.0	157.5	155.1	87.0	BEAVER RIVER	3	98	104
PANQUITCH LAKE	22.3	16.8	18.6	---	SEVIER & BEAVER R. BASINS	26	114	98

WET SUBS. and DRY SUBS. represent 130 and 70 percent subsequent precipitation events respectively.
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 (1) - REAS. MAX. and REAS. MIN. forecasts are for 5% and 95% exceedance levels.
 (2) - Corrected for upstream diversions or changes in reservoir storage.

E. Garfield, Kane, Washington, & Iron Co.

Mountain snowpack* (inches)



*Based on selected stations

Maximum



Average



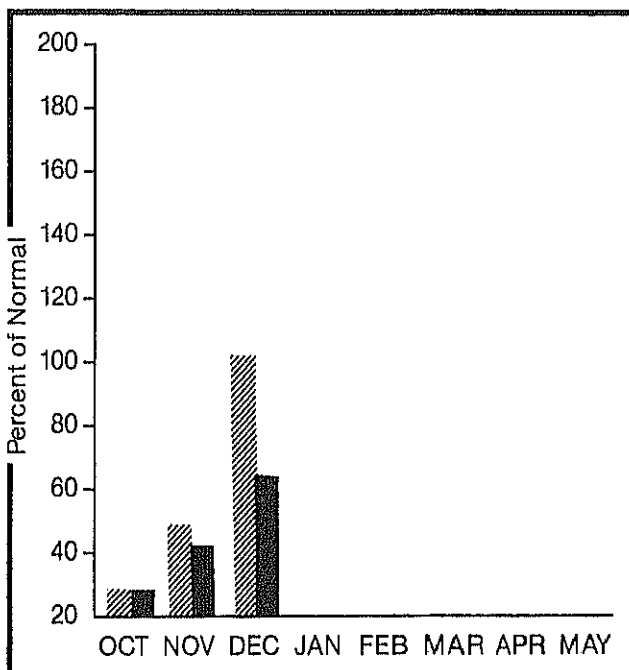
Minimum



Current



Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation



Year to date precipitation



WATER SUPPLY OUTLOOK:

Streamflow predictions are 40% to 25% below average at present with snowpacks that are, for the most part, well below average. Snowpack and precipitation performance will need to improve during the next two months in this area of Utah in order to provide ample runoff and restore comfortable storage levels to the low reservoirs.

For more information contact your local
Soil Conservation Service Office:
Cedar City Field Office 801-586-2429

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	WET SUBS. (1000AF)	DRY SUBS. (1000AF)	REAS. MAX. (1000AF)	REAS. MIN. (1000AF)	25 YR. AVG. (1000AF)
COAL CREEK near Cedar City	APR-JUL	15.0	75			25	8.0	20
COLORADO RIVER inf to Lake Powell 2	APR-JUL	7000	87	9750	4250	10800	3850	8086
VIRGIN near Hurricane	APR-JUN	50	74			86	20	68
SANTA CLARA near Pine Valley	APR-JUN	3.0	60			6.3	1.2	5.0

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS		
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVG.	WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR. AVERAGE
GUNLOCK	10.4	8.0	6.5	---	VIRGIN RIVER	5	80 78
LAKE POWELL	25002.0	0.0	0.0	---	PAROWAN	4	71 79
QUAIL CREEK		NO REPORT			ENTERPRISE TO NEW HARMONY	2	71 168
UPPER ENTERPRISE	10.0	0.5	---	---	COAL CREEK	3	72 74
LOWER ENTERPRISE	2.6	0.1	---	---	ESCALANTE RIVER	2	70 68
					SOUTHWESTERN UTAH	12	78 82

WET SUBS. and DRY SUBS. represent 130 and 70 percent subsequent precipitation events respectively.
 REAS. MAX. and REAS. MIN. forecasts are for 10% and 90% exceedance levels with the exception of (1) below.
 (1) - REAS. MAX. and REAS. MIN. forecasts are for 5% and 95% exceedance levels.
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SNOW MEASUREMENT DATA

SNOW COURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
ALTA CENTRAL	8800	01/01	70	20.3	-	17.5
ASHLEY TWIN LAKES	10500				-	7.5
ATWOOD LAKE	10840				-	5.5
ATWOOD LAKE SNOTEL	10840	01/01	-	3.3	3.0	5.6
BEAVER CREEK DIVIDE	8280	12/30	23	4.4	2.9	5.7
BEAVER DIVIDE SNOTL	8280	01/01	-	4.4	-	-
BEAVER DAMS	8000	12/30	26	5.4	5.2	4.8
BEAVER DAMS SNOTEL	8000	01/01	-	4.3	-	-
BEN LOMOND PEAK	8000	12/27	91	20.9	6.8	14.7
BEN LOMOND PK SNOTL	8000	01/01	-	21.1	-	-
BEN LOMOND TRAIL	6000	12/27	56	11.4	3.4	7.1
BEN LOMOND TR SNOTL	6000	01/01	-	15.1	-	-
BEVAN'S CABIN	6450				-	2.6
BIG FLAT	10290	12/27	39	7.0	8.9	7.0
BIG FLAT SNOTEL	10290	01/01	-	8.6	8.9	6.3
BIRCH CROSSING	8100	12/28	18	3.4	3.2	3.3
BLACK'S FLAT-U.M. CK	9400	12/29	24	4.8	3.0	5.0
BLACK FLAT-U.M. CK S	9400	01/01	-	3.6	3.8	4.5
BLACK'S FORK	9200	12/29	-	6.5E	4.8	6.1
BLACK'S FORK GS-EF	9340	12/29	19	4.2	3.0	3.7
BLACK'S FORK JUNCTN	8930	12/29	23	5.4	3.6	3.9
BOX CREEK	9300	12/29	30	6.1	4.4	5.6
BOX CREEK SNOTEL	9300	01/01	-	5.4	-	-
BRIAN HEAD	10000	12/27	32	5.8	10.9	9.1
BRIGHTON	8750	12/29	47	12.4	5.9	15.4
BRIGHTON SNOTEL	8750	01/01	-	13.0	-	-
BRIGHTON CABIN	8700	12/28	51	14.1	-	12.9
BROWN DUCK RIDGE	10600	12/30	38	6.4	7.6	8.6
BROWN DUCK SNOTEL	10600	01/01	-	6.2	6.7	8.3
BRYCE CANYON	8000	12/28	10	1.5	1.2	2.1
BUCK FLAT	9800	12/30	36	7.9	5.3	7.1
BUCK FLAT SNOTEL	9800	01/01	-	8.2	5.5	6.8
BUCK PASTURE	9700				-	9.0
BUCKBOARD FLAT	9000	01/01	-	5.0e	6.1	6.5
BUG LAKE	7950	12/28	28	6.8	5.1	8.3
BUG LAKE SNOTEL	7950	01/01	-	6.0	-	-
BURT'S-MILLER RANCH	7900	12/29	12	2.5	1.6	2.4
CAMP JACKSON	8600	01/01	-	4.9e	5.6	6.7
CAMP JACKSON SNOTEL	8600	01/01	-	4.9	4.5	6.7
CASTLE VALLEY	9580	12/27	24	4.6	5.2	6.1
CASTLE VALLEY SNOTL	9580	01/01	-	4.4	-	-
CHALK CREEK #1	9100	12/29	41	9.9	6.5	10.0
CHALK CK #1 SNOTEL	9100	01/01	-	11.6	-	-
CHALK CREEK #2	8200	12/29	33	6.5	4.2	6.5

SNOW MEASUREMENT DATA (cont.)

SNOW COURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
CHALK CK #2 SNOTEL	8200	01/01	-	7.9	-	-
CHALK CREEK #3	7500	12/29	21	3.7	2.6	3.6
CHEPETA	10300	12/29	36	6.6	4.4	5.3
CHEPETA SNOTEL	10300	01/01	-	6.2	4.1	5.2
CHEPETA-WHITERKS. LK	10350				-	6.6
CITY CREEK	7500	01/05	55	16.6	-	13.0
CLEAR CREEK MEADOWS	9420	12/30	-	14.7E	6.1	9.5
CLEAR CREEK RIDGE #1	9200	12/30	36	8.4	5.3	8.1
CLEAR CK RIDG #1 SNT	9200	01/01	-	9.0	-	-
CLEAR CREEK RIDGE #2	8000	12/30	32	6.8	3.8	6.6
CLEAR CK RIDG #2 SNT	8000	01/01	-	6.6	3.8	6.6
CLEAR CREEK RIDGE #3	6600	12/30	23	5.0	2.8	3.8
CURRANT CREEK	8000	12/30	27	4.7	1.5	4.5
CURRANT CREEK SNOTEL	8000	01/01	-	5.2	1.6	4.9
DANIELS-STRAWBERRY	8000	12/30	27	5.4	3.1	6.2
DANIELS-STRAWBERRY S	8000	01/01	-	7.5	3.9	6.9
DESERET PEAK	9250	01/01	-	8.5e	-	12.2
DESERET PEAK AM	9250				-	12.2
DESERET PEAK SNOTEL	9250	01/01	-	8.5	-	-
DILL'S CAMP	9200	12/29	28	5.6	3.8	5.2
DILL'S CAMP SNOTEL	9200	01/01	-	5.9	3.4	5.8
DONKEY RESERVOIR	9800	12/29	14	2.3	2.5	3.3
DONKEY RESERVOIR SNO	9800	01/01	-	2.5	3.0	3.3
DRY BREAD POND	8350	12/27	32	6.8	4.6	8.5
DRY BREAD POND SNOTL	8350	01/01	-	16.8	-	-
DUCK CREEK R.S.	8700	12/27	-	5.2E	3.0	5.5
EAST SHINGLE LAKE	9800				-	13.3
EAST WILLOW CREEK	8250	01/01	-	3.2e	-	5.7
EAST WILLOW CREEK SN	8250	01/01	-	3.2	3.6	5.7
FARMINGTON CANYON	8000	12/28	79	17.8	6.1	13.7
FARMINGTON CN SNOTEL	8000	01/01	-	19.9	-	-
FARMINGTON CANYON L.	6950	12/28	70	15.3	4.6	10.4
FARNSWORTH LAKE	9600	12/29	37	8.5	7.7	8.3
FARNSWORTH LK SNOTEL	9600	01/01	-	7.7	-	-
FISH LAKE	8700	12/29	16	3.3	2.3	3.9
FIVE POINT LAKE	10920				-	7.0
FIVE POINTS LAKE SNO	10920	01/01	-	6.0	4.6	6.0
FRANCES FLATS	6700	01/05	48	13.5	-	10.1
G.B.R.C. HEADQUARTER	8700	12/30	31	7.1	5.4	7.3
G.B.R.C. MEADOWS	10000	12/30	38	8.9	8.2	9.9
GARDEN CITY SUMMIT	7600	12/28	24	4.9	2.5	7.6
GEORGE CREEK	8840				-	8.8
GOOSEBERRY R.S.	8000	12/29	28	6.1	5.0	5.3
GOOSEBERRY R.S. SNOT	8000	01/01	-	4.4	-	-
HARDSCRABBLE	6700	01/04	-	13.0e	4.4	9.3

SNOW MEASUREMENT DATA (cont.)

SNOW COURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
HARRIS FLAT	7700	12/27	15	3.0	1.1	3.4
HARRIS FLAT SNOTEL	7700	01/01	-	2.2	-	-
HAYDEN FORK	9400	12/30	26	4.7	4.3	6.2
HAYDEN FORK SNOTEL	9100	01/01	-	7.7	4.5	7.5
HENRY'S FORK	10000				-	6.5
HEWINTA G.S.	9500	12/29	21	4.2	4.1	3.8
HEWINTA SNOTEL	9500	01/01	-	3.9	3.8	3.8
HICKERSON PARK	9100	12/29	20	4.2	5.0	3.8
HICKERSON PARK SNOTE	9100	01/01	-	3.8	5.2	3.8
HIDDEN SPRINGS	5500	01/05	24	5.4	-	4.1
HOLE-IN-THE-ROCK	9150	12/29	19	3.0	3.8	2.8
HOLE-IN-ROCK SNOTEL	9150	01/01	-	2.9	3.4	2.8
HOLE-IN-THE-ROCK GS	8300				-	1.0
HOBBLE CREEK SUMMIT	7420	12/30	31	6.9	3.5	6.9
HORSE RIDGE	8260	12/27	49	10.3	4.5	9.0
HORSE RIDGE SNOTEL	8260	01/01	-	11.1	-	-
HUNTINGTON-HORSESHOE	9800	12/30	39	10.7	8.5	10.2
INDIAN CANYON	9100	12/30	25	4.9	4.1	5.6
INDIAN CANYON SNOTEL	9100	01/01	-	4.2	3.5	5.5
JOHNSON VALLEY	8850	12/29	19	3.9	1.9	3.3
KILFOIL CREEK	7300	12/27	38	7.1	2.8	6.0
KILLYON CANYON	6300	01/01	36	8.5	-	5.4
KIMBERLY MINE (UPPER)	9300	12/27	34	6.8	7.3	6.5
KIMBERLY MINE SNOTEL	9300	01/01	-	5.5	7.3	4.3
KING'S CABIN (UPPER)	8730	12/30	27	4.9	2.0	4.5
KING'S CABIN SNOTEL	8730	01/01	-	5.0	2.6	5.8
KLONDIKE NARROWS	7400	12/28	34	7.5	3.7	8.2
KOLOB-CRYSTAL	9250	12/29	29	6.6	9.6	8.5
KOLOB SNOTEL	9250	01/01	-	6.0	10.3	7.0
LAKEFORK BASIN	10900				-	9.3
LAKEFORK BASIN SNOTE	10900	01/01	-	8.0	4.6	7.4
LAKEFORK MOUNTAIN #1	10100	12/30	27	5.1	4.8	5.2
LAKEFORK #1 SNOTEL	10100	01/01	-	5.3	4.8	6.1
LAKEFORK MOUNTAIN #3	8400	12/30	19	2.7	1.3	3.1
LAMBS CANYON	7400	01/04	40	10.4	4.0	7.3
LASAL MOUNTAIN LOWER	8800	01/01	-	3.5e	5.2	4.5
LASAL MOUNTAIN (UPP)	9850	01/01	-	5.8e	9.0	7.6
LASAL MOUNTAIN SNOTE	9850	01/01	-	5.0	5.2	6.5
LIGHTNING LAKE	10500				-	10.2
LIGHTNING LAKE SNOTE	10500	01/01	-	8.2	5.8	12.2
LILY LAKE	9050	12/30	28	5.8	4.0	6.5
LILY LAKE SNOTEL	9050	01/01	-	4.6	-	-
LITTLE BEAR (LOWER)	6000	12/27	40	7.2	3.7	4.7
LITTLE BEAR (UPPER)	6550	12/27	45	7.8	3.7	5.5
LITTLE BEAR SNOTEL	6550	01/01	-	9.3	-	-

SNOW MEASUREMENT DATA (cont.)

SNOW COURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
LITTLE GRASSY CREEK	6100	12/29	15	2.5	2.1	1.0
LITTLE GRASSY SNOTEL	6100	01/01	-	2.5	2.3	1.0
LONG FLAT	8000	12/29	17	2.7	5.2	2.1
LONG FLAT SNOTEL	8000	01/01	-	2.3	3.1	3.6
LONG VALLEY JCT.	7500	12/27	15	2.8	0.9	2.3
LONG VALLEY JCT. SNT	7500	01/01	-	3.0	-	-
LOOKOUT PEAK	8200	12/31	56	14.5	-	-
LOOKOUT PEAK SNOTEL	8200	01/01	-	13.6	-	-
LOST CREEK RESERVOIR	6130	12/27	20	3.0	0.8	2.3
MAMMOTH-COTTONWOOD	8800	12/30	40	9.7	6.3	9.0
MAMMOTH-COTTONWD SNT	8800	01/01	-	7.8	-	-
MERCHANT VALLEY (UP)	8750	12/27	32	5.5	4.4	5.3
MERCHANT VALLEY SNOT	8750	01/01	-	6.6	-	-
MIDDLE BEAVER CREEK	8650				-	-
MIDDLE CANYON	7000				-	1.8
MIDWAY VALLEY	9800	12/28	30	5.8	-	6.1
MIDWAY VALLEY SNOTEL	9800	01/01	-	5.8	11.2	9.0
MILL CREEK	6950	12/28	56	11.6	-	-
MILL-D SOUTH FORK	7400	12/28	48	10.2	4.8	9.8
MILL-D NORTH	8960	12/30	55	15.0	5.4	8.6
MILL-D NORTH SNOTEL	8960	01/01	-	13.9	-	-
MINING FORK	8000				-	-
MINING FORK SNOTEL	8000	01/01	-	8.0	-	-
MONTE CRISTO R.S.	8960	12/27	52	11.2	-	-
MONTE CRISTO SNOTEL	8960	01/01	-	14.6	6.0	9.6
MOSBY MOUNTAIN (LOW)	9500	12/30	22	4.0	-	-
MOSBY MTN. SNOTEL	9500	01/01	-	3.8	2.7	4.5
MT. BALDY R.S.	9500	12/30	45	10.2	3.8	6.2
MUD CREEK #2	8600	12/30	28	5.7	9.5	10.0
OAK CREEK	7760	12/27	34	5.5	2.8	6.0
ONE MILE SUMMIT	7330				3.0	6.1
OTTER LAKE	9600	12/27	33	5.7	-	1.5
PANQUITCH LAKE	8200	12/27	11	1.8	5.3	5.2
PARADISE PARK	10100	12/29	29	5.0	0.6	2.4
PARLEY'S CANYON SUM.	7500	01/04	43	11.6	3.9	6.2
PARLEY'S CANYON SNOT	7500	01/01	-	10.6	4.9	8.3
PAYSON R.S.	8050	12/27	45	8.9	-	-
PAYSON R.S. SNOTEL	8050	01/01	-	7.8	5.4	8.3
EG SPRING	9600	12/29	35	6.9	-	-
EG SNOTEL	9600	01/01	-	6.7	5.4	7.0
	8000	12/27	42	8.9	-	-
	8800	12/27	42	7.9	4.3	8.0
	8800	01/01	-	9.8	7.9	7.7
	8500	12/30	33	6.5	-	-
	9200	12/30	34	8.2	4.9	8.6
					4.7	7.0

SNOW MEASUREMENT DATA (cont.)

SNOW COURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
RED PINE RIDGE SNOTE	9200	01/01	-	8.0	5.4	8.2
REES'S FLAT	7300	12/27	36	6.4	3.1	6.6
REYNOLDS PARK	10400				-	7.7
ROCK CREEK	7900	12/30	20	3.9	1.6	3.6
ROCK CREEK SNOTEL	7900	01/01	-	4.3	3.1	4.4
ROCKY BASIN-SETTLEMT	8900	01/01	-	11.3e	-	13.7
ROCKY BN-SETTLEMT SN	8900	01/01	-	9.3	-	-
SEELEY CREEK R.S.	10000	12/30	28	6.9	6.8	7.1
SEELEY CREEK SNOTEL	10000	01/01	-	5.8	6.2	6.0
SERGEANT LAKES	8300				-	8.3
SHINGLE MILL	6200	01/03	25	5.6	5.2	4.0
SILVER LAKE (BRIGHT.)	8730	12/28	43	12.0	5.6	10.9
SMITH & MOREHOUSE	7600	12/28	30	6.7	3.2	5.6
SMITH MOREHOUSE SNTL	7600	01/01	-	6.9	-	-
SNOWBIRD GAD VALLEY	9700	01/04	63	18.6	-	19.5
SOAPSTONE R.S.	7800	12/30	-	4.5E	3.2	5.5
SPIRIT LAKE	10300	12/29	30	6.9	5.5	5.6
SQUAW SPRINGS	9300	12/29	21	4.3	2.4	3.9
STEEL CREEK PARK	10100	12/29	30	6.5	5.5	7.7
STEEL CREEK PARK SNO	10100	01/01	-	6.3	5.0	8.1
STILLWATER CAMP	8550	12/30	22	4.5	2.8	4.4
STRAWBERRY DIVIDE	8400	12/30	37	8.5	5.6	8.5
STRAWBERRY DIVIDE SN	8400	01/01	-	8.0	4.3	9.0
STUART R.S.	7950	12/30	19	3.8	2.0	4.1
SUSC RANCH	8200	12/29	17	3.3	2.3	3.6
TALL POLES	8800	12/28	26	4.0	5.6	6.2
THAYNES CANYON	9200				4.9	-
THAYNES CANYON SNOTL	9200	01/01	-	10.1	4.9	-
THISTLE FLAT	8500				-	6.8
TIMPANOGOS DIVIDE	8140	12/30	40	9.7	4.0	10.3
TIMPANOGOS DIVIDE SN	8140	01/01	-	9.3	-	-
TONY GROVE LAKE	8400	12/28	63	15.9	7.1	16.2
TONY GROVE LK SNOTEL	8400	01/01	-	15.7	-	-
TONY GROVE R.S.	6250	12/28	25	5.2	2.2	5.1
TRIAL LAKE	9960	12/30	38	8.1	6.6	11.0
TRIAL LAKE SNOTEL	9960	01/01	-	8.9	5.5	14.0
TROUT CREEK	9400	12/30	29	5.4	3.6	5.0
TROUT CREEK SNOTEL	9400	01/01	-	5.0	3.2	4.7
UPPER JOES VALLEY	8900	12/30	26	4.8	2.1	4.4
VERNON CREEK	7500	01/01	-	3.4e	-	4.7
VERNON CREEK SNOTEL	7500	01/01	-	3.8	-	-
VIPONT	7670				-	6.2
WEBSTER FLAT	9200	12/29	26	5.3	6.6	6.9
WEBSTER FLAT SNOTEL	9200	01/01	-	5.4	-	-
WHITE RIVER #1	8550	12/30	25	5.5	3.8	6.1
WHITE RIVER #1 SNOTE	8550	01/01	-	5.1	4.1	6.3
WHITE RIVER #3	7400	12/30	20	4.7	2.7	3.9
WIDTSOE-ESCALANTE #3	9500	12/29	20	3.5	5.8	5.2
WIDTSOE #3 SNOTEL	9500	01/01	-	3.0	-	-
WRIGLEY CREEK	9000	12/30	26	5.0	2.9	4.4
YANKEE RESERVOIR	8700	12/27	20	3.6	4.1	4.4



United States
Department of
Agriculture

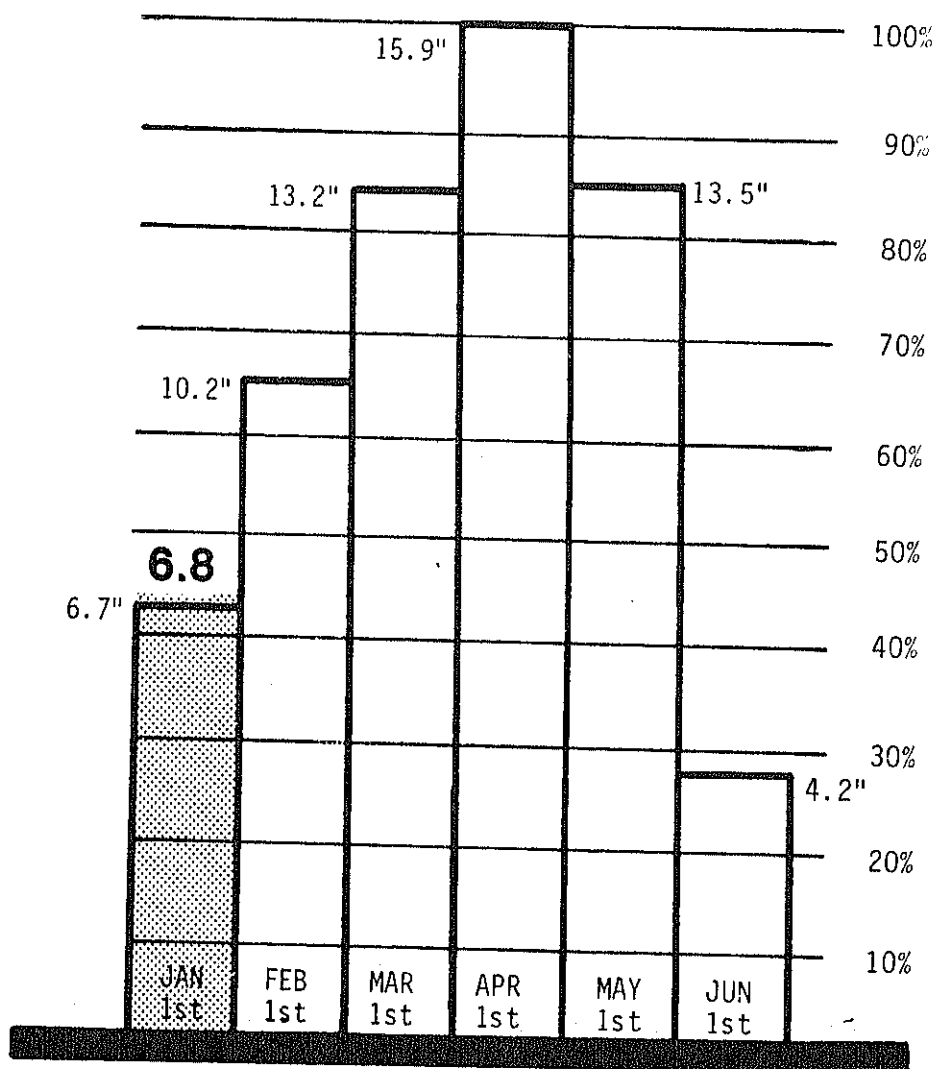
Soil
Conservation
Service

Salt Lake City,
Utah



Utah Snowpack Progress

1988



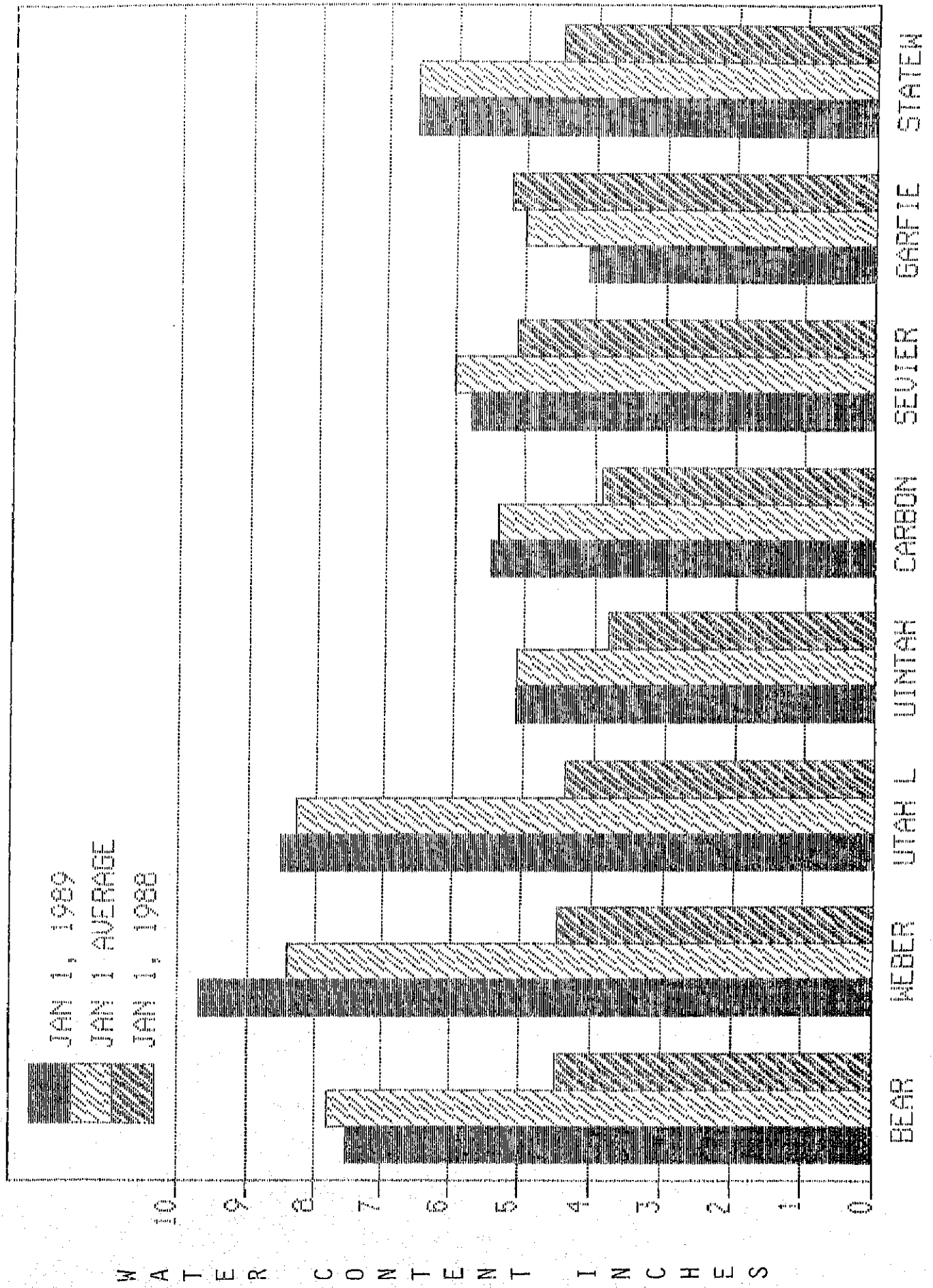
Statewide

NOTE :

Snow water equivalent in inches is compared to the highest seasonal amount (100%). Monthly averages are accumulated by basin/state.

Averages are for the period 1961-1985.

1989 SNOWPACK COMPARISON



The Following Organizations Cooperate With The Soil Conservation Service In Snow Survey Work

ate
Utah State University
Utah State Department of Natural Resources
Division of Wildlife Resources
Division of Water Resources
Division of Water Rights
Bear River Commissioner
Price River Commissioner
Provo River Commissioner
Sevier River Commissioners
Spanish Fork River Commissioner
Utah Lake and Jordan River Commissioner

deral
U.S. Department of Agriculture
Soil Conservation Service
Forest Service
U.S. Department of Commerce
NOAA, National Weather Service
U.S. Department of Interior
Bureau of Reclamation
Geological Survey
National Park Service
U.S. Army Corps of Engineers

municipality
Manti
Salt Lake City

ille
Beaver River Water Users Association
Board of Canal Presidents - Jordan River
Central Utah Conservancy District
Emery Canal and Reservoir Company
Grantsville Irrigation Company
Grantsville Soil Conservation District
Moon Lake Water Users Association
Ogden River Water Users Association
Provo River Water Users Association
Strawberry Water Users Association
Sevier River Water Users Association
Weber River Water Users Association
Weber Basin Conservancy District

Other organizations and individuals furnish
information for the snow survey reports.
Their cooperation is gratefully acknowledged.

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of Agriculture are available to everyone
without regard to race, creed, color, sex,
age, handicap, marital status, or national
origin.